

CLAIMS

What is claimed is:

- 5 1. A steering alignment system for a toy car comprising:
a variable resistor for providing a resistance in response to a received signal, the variable
resistor having a neutral position;
a steering trimmer coupled to the variable resistor so that adjustment of the steering
trimmer changes the neutral position of the variable resistor;
10 a turning wheel;
a steering motor for directing the turning wheel; and
a processor coupled to the variable resistor for controlling the steering motor according
to the resistance provided by the variable resistor.
- 15 2. The steering alignment system of Claim 1, wherein the components of the
steering alignment system cooperate to maintain the movement of the toy car in a generally
straight direction when the received signal calls for the toy car to move in a straight direction.
- 20 3. The steering alignment system of Claim 1, wherein the movement of the toy car
is maintained in a generally straight direction when the variable resistor is in the neutral
position.
- 25 4. The steering alignment system of Claim 1 further comprising:
a toy car chassis having an exposed underside,
wherein the steering trimmer is located on the exposed underside of the toy car chassis
for easy accessibility to the steering trimmer.
- 30 5. The steering alignment system of Claim 4, wherein the toy car chassis includes a
recessed portion enclosing the steering trimmer.
6. The steering alignment system of Claim 1, wherein the steering trimmer has a
slot for receiving a tool.

7. The steering alignment system of Claim 6, wherein the tool is a screwdriver.

8. The steering alignment system of Claim 6, wherein the steering trimmer is rotatable in a horizontal plane by inserting the tool into the slot and turning the tool in a desired direction of rotation.

9. The steering alignment system of Claim 8 further comprising:
a rotatable housing fixedly attached to the variable resistor, the rotatable housing having a serrated edge,

wherein the serrated edge of the rotatable housing cooperates with the steering trimmer so that when the steering trimmer is rotated, the rotatable housing fixedly attached to the variable resistor is also rotated, thereby adjusting the neutral position of the variable resistor.

10. The steering alignment system of Claim 1, wherein the signal received by the variable resistor is a radio frequency signal emitted from a radio transmitter.

11. The steering alignment system of Claim 1, wherein the variable resistor is a turn pot variable resistor.

12. The steering alignment system of Claim 1 further comprising:
a membrane inside the variable resistor, wherein the membrane is modified by an angle of about 20° from a horizontal axis.

13. A steering alignment system for a toy car comprising:
a variable resistor for providing a resistance in response to a received signal, the variable resistor having a neutral position;
a trim wheel in communication with the variable resistor so that adjustment of the trim wheel changes the neutral position of the variable resistor;
a turning wheel;
a steering motor for directing the turning wheel; and
a processor coupled to the variable resistor for controlling the steering motor according to the resistance provided by the variable resistor.

14. The steering alignment system of Claim 13, wherein the components of the steering alignment system cooperate to maintain the movement of the toy car in a generally straight direction when the received signal calls for the toy car to move in a straight direction.

5 15. The steering alignment system of Claim 13, wherein the movement of the toy car is maintained in a generally straight direction when the variable resistor is in the neutral position.

10 16. The steering alignment system of Claim 13, wherein the variable resistor is a turn pot variable resistor.

17. The steering alignment system of Claim 13 further comprising:
a membrane inside the variable resistor, wherein the membrane is modified by an angle of about 20° from a horizontal axis.

15 18. The steering alignment system of Claim 13, wherein the signal received by the variable resistor is a signal emitted from a remote controller.

20 19. The steering alignment system of Claim 13, wherein the signal received by the variable resistor is a radio frequency signal emitted from a radio transmitter.

20. The steering alignment system of Claim 13 further comprising:
a remote controller,
wherein the trim wheel is located on the remote controller.

25 21. The steering alignment system of Claim 13, wherein the trim wheel is manually adjustable.

30 22. A remote controller for a toy car comprising:
a trim wheel.

23. The remote controller of Claim 22, wherein the trim wheel is located on an outside surface of the remote controller for easy accessibility to the trim wheel.

24. The remote controller of Claim 22, wherein the trim wheel is manually adjustable.

5 25. The remote controller of Claim 22, wherein the trim wheel is in communication with a variable resistor.

26. The remote controller of Claim 25, wherein the variable resistor has a neutral position, which neutral position may be changed by adjusting the trim wheel.

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27. The remote controller of Claim 25, wherein the variable resistor is a turn pot variable resistor.

28. The remote controller of Claim 25 further comprising:
15 a membrane inside the variable resistor, wherein the membrane is modified by an angle of about 20° from a horizontal axis.

29. The remote controller of Claim 25, wherein the variable resistor provides a resistance in response to a signal received from the remote controller.

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30. The remote controller of Claim 29, wherein the signal received from the remote controller is a radio frequency signal.